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OM nucleic - nucleic search, using sw model

Run on: June 17, 2003, 11:18:58 ; Search time 63.972 Seconds
(without alignments)
5580.127 Million cell updates/sec

Title: US-09-807-933B-10

Perfect score: 1164
Sequence: 1 atgaagttcacctgctat.....caggttcggaagaagtaa 1164

Scoring table: IDENTITY_NUC

Gapop 10.0, Gapext 1.0

Searched: 441362 seqs, 153318381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database:

Issued_Patents_NA:*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	221.4	19.0	984	4 US-09-230-665-7	Sequence 7, App11
2	221.4	19.0	1473	1 US-08-090-013-3	Sequence 3, App11
3	221.4	19.0	1473	1 US-08-081-328-3	Sequence 3, App11
4	221.4	19.0	1473	1 US-08-232-249-3	Sequence 3, App11
5	221.4	19.0	1473	2 US-08-833-642A-3	Sequence 3, App11
6	221.4	19.0	1473	2 US-08-389-423-3	Sequence 3, App11
7	221.4	19.0	1473	4 US-09-230-665-3	Sequence 3, App11
8	221.4	19.0	1473	4 US-09-189-028-3	Sequence 3, App11
9	207.4	17.8	1423	3 US-08-651-136C-9	Sequence 9, App11
10	207.4	17.8	1423	4 US-09-229-911A-9	Sequence 9, App11
11	204	17.5	912	4 US-09-189-0608-71	Sequence 71, App11
12	202.8	17.4	919	4 US-09-189-0608-67	Sequence 67, App11
13	200.6	17.2	924	4 US-09-189-0608-69	Sequence 69, App11
14	188	16.2	922	4 US-09-189-0608-73	Sequence 73, App11
15	186.8	16.0	922	4 US-09-189-0608-65	Sequence 65, App11
16	186	16.0	1154	3 US-08-651-136C-7	Sequence 7, App11
17	186	16.0	1154	4 US-09-229-911A-7	Sequence 7, App11
18	184	15.8	1174	2 US-08-872-437-1	Sequence 1, App11
19	184	15.8	1174	3 US-08-651-136C-11	Sequence 11, App11
20	184	15.8	1174	4 US-09-229-911A-11	Sequence 11, App11
21	179.4	15.4	807	4 US-09-230-665-5	Sequence 5, App11
22	179.4	15.4	1060	1 US-08-090-013-1	Sequence 1, App11
23	179.4	15.4	1060	1 US-08-081-328-1	Sequence 1, App11
24	179.4	15.4	1060	1 US-08-232-249-1	Sequence 1, App11
25	179.4	15.4	1060	2 US-08-921-426-7	Sequence 7, App11
26	179.4	15.4	1060	2 US-08-833-642A-1	Sequence 1, App11
27	179.4	15.4	1060	2 US-08-140-008A-3	Sequence 3, App11

28	179.4	15.4	1060	2 US-08-389-423-1	Sequence 1, App11
29	179.4	15.4	1060	3 US-08-816-915-7	Sequence 7, App11
30	179.4	15.4	1060	4 US-09-189-0608-55	Sequence 55, App11
31	179.4	15.4	1060	4 US-09-230-665-1	Sequence 1, App11
32	179.4	15.4	1060	4 US-09-189-028-1	Sequence 1, App11
33	179.4	15.4	1060	5 PCT-US95-07743-7	Sequence 7, App11
34	179.2	15.4	808	3 US-08-651-136C-15	Sequence 15, App11
35	179.2	15.4	808	4 US-09-229-911A-15	Sequence 15, App11
36	179	15.4	894	3 US-08-651-136C-3	Sequence 3, App11
37	179	15.4	894	4 US-09-229-911A-3	Sequence 3, App11
38	179	15.4	927	3 US-08-651-136C-5	Sequence 5, App11
39	179	15.4	927	4 US-09-229-911A-5	Sequence 5, App11
40	179	15.4	960	3 US-08-651-136C-1	Sequence 1, App11
41	179	15.4	960	4 US-09-229-911A-1	Sequence 1, App11
42	178.4	15.3	1031	3 US-08-651-136C-19	Sequence 19, App11
43	178.4	15.3	1031	4 US-09-229-911A-19	Sequence 19, App11
44	178.4	15.3	1048	3 US-08-651-136C-17	Sequence 17, App11
45	178.4	15.3	1048	4 US-09-229-911A-17	Sequence 17, App11

ALIGNMENTS

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RESULT 1
US-09-230-665-7
; Sequence 7, Application US/09230665
; Patent No. 6122595
; GENERAL INFORMATION:
; APPLICANT: Boyer, Stanton L.
; TITLE OF INVENTION: Detergent Composition Comprising Two Cellulase
; FILE REFERENCE: 6191 Sequence Listing (8 Sequences)
; Patent No. 6122595
; CURRENT APPLICATION NUMBER: US/09/230,665
; CURRENT FILING DATE: 1999-01-29
; EARLIER APPLICATION NUMBER: 60/023,125
; EARLIER FILING DATE: 1996-07-30
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 984
; TYPE: DNA
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Organism encoding
; NAME/KEY: CDS
; LOCATION: (97)..(735)
US-09-230-665-7
Query Match 19.0%; Score 221.4; DB 4; Length 984;
Best Local Similarity 63.9%; Pred. No. 1.7e-58;
Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;
QY 547 TCTGCAAGGCTGTCACCACTGTTATGGAATGTTGAAGCTTCTGCAAGCTGCGCT 606
151 TCTGCAAGGCTGTCACCTGTCATGATGATGATGTCGCAAGCTTCTGCTTGAGAC 210
QY 607 GGAAGGCTTCTGTCACCTGCTGTTGACACCTGCTCCCAATGATGTTCTTATTA 666
211 GGAAGGCTGCTGTCACCTGCTGTTGATGATGATGATGATGATGATGATGATGATG 270
QY 667 GATGCAAGCTGTCACCAAGTGTGTA---CGTGTGTAATGTTTCAATGTTGAACAAC 723
271 AACACCAAGCTGTCACCAAGTGTGTAAGTGTGTAAGTGTGTAAGTGTGTAAGTGTG 330
QY 724 CAACCTGAGCTGTCATGATGATGATGATGATGATGATGATGATGATGATGATGATG 783
331 TCTGCTGAGCTGTCATGATGATGATGATGATGATGATGATGATGATGATGATGATG 390
QY 784 TCCACCAAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 843
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REFERENCE/DOCKET NUMBER: CM356M
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 513-627-2885
 TELEFAX: 513-627-0318
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1473 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 97..1224
 US-08-081-328-3

Query Match 19.0%; Score 221.4; DB 1; Length 1473;
 Best Local Similarity 63.9%; Pred. No. 2.1e-58;
 Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

QY 547 TCTGCAAGGCTTCCCAACTCGTTATGGGATTTGTAAGCTTCTTGACAGTGGCT 606
 DB 151 TCTGGAAGCGGTCACTTACTCAATCTGGGATTTGTCAGACCTTCTTGAGAGC 210
 QY 607 GGAAGAAGCTTCTGCACTGCTCTGTTGACACCTGCTCCCAATGATCTCTTATTA 666
 DB 211 GGAAGGCTGCTGTCAGACGCCCTGCTTAACTTGTATAGAACACACCCCATTTCC 270
 QY 667 GATGCCAATGCTCAAAAGTGTGTA---CGTGTGAATGTTTCAATGTATAACAAC 723
 DB 271 AACACCAATGCTCTCAACGGTGTGAGGCTGTGCTGCTTATGCTTGACCAACTAC 330
 QY 724 CAACCTTGGCTGCTCAATGATAGCTGCTTACGGTTTGCTGCTGCTTATGCTGAC 783
 DB 331 TCTCCCTGGCTGTCAACGATGAGCTTGTCTTACGGTTTCTCTCAACCAAGATCTCGGT 390
 QY 784 TCCAAAGAGCTGATGATGTTGTGCTGTTATGAATTGACCTTCACTTCTGCGCTGCT 843
 DB 391 GGTCCGAGGCGAGCTGTGCTGTGCTGTATGCTTATGCTTGAACCTTCAACACCTGCGCCGTC 450
 QY 844 TCTGGAAGAAGATGTTGTTCAAGTTTCAACACCGGTGCGAATTTAGGCTTAAACAC 903
 DB 451 AAGGGCAAGAAGATGATCGTCCAGTCCACCAACAGTGAATCGGCGCAACACAC 510
 QY 904 TTTGATTTGCAATGCGCGGTGAGTGTGATCTCAATGCGCTGTGCTGCTCAATG 963
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 QY 964 GCGCTCCCAATGATGCTGAGGAGCTAGATATGATGCTGCTGCTGCTGCTGCTGCT 1023
 DB 571 GG-----CAAGGCTCTCGCGGTGCGGAGTCAAGGCGGTATCTCTCCGAAAGCATATG 624
 QY 1024 GCGCTCTTCTCTCTGCTGCTTCAAGCTGTTGAATGAGATTTCAAGCTGTTCAAGAAC 1083
 DB 625 GATAGTACCCCGAGCTTCTCAAGAGCGGTTGCGACATGCGATTCGATGCTTTCGAGAAC 684
 QY 1084 TCTGATTAACCTTCAACATGACCTTCAAGAGTAACTGCTTC 1124
 DB 685 GCGCAACACCTTCACTTCACTTTGAGACGAGTTCAAGTCC 725

RESULT 4

US-08-232-249-3
 Sequence 3, Application US/08232249
 Patent No. 5610129
 GENERAL INFORMATION:
 APPLICANT: MCCORQUODALE, FINLAY (NMN)
 APPLICANT: BUSCH, ALFRED (NMN)
 TITLE OF INVENTION: DYE TRANSFER INHIBITING COMPOSITIONS
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: THE PROCTER & GAMBLE COMPANY
 STREET: 5299 SPRING GROVE AVENUE
 CITY: CINCINNATI

STATE: OHIO
 COUNTRY: USA
 ZIP: 45217
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/232,249
 FILING DATE: 05-MAY-1994
 CLASSIFICATION: 510
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: EP 91202882.6
 FILING DATE: 06-NOV-91
 ATTORNEY/AGENT INFORMATION:
 NAME: ALLEN, GEORGE W.
 REGISTRATION NUMBER: 26,143
 REFERENCE/DOCKET NUMBER: CM-395
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 513-627-5946
 TELEFAX: 513-627-8118
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1473 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 97..1224
 US-08-232-249-3

Query Match 19.0%; Score 221.4; DB 1; Length 1473;
 Best Local Similarity 63.9%; Pred. No. 2.1e-58;
 Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

QY 547 TCTGCAAGGCTTCCCAACTCGTTATGGGATTTGTAAGCTTCTTGACAGTGGCT 606
 DB 151 TCTGGAAGCGGTCACTTACTCAATCTGGGATTTGTCAGACCTTCTTGAGAGC 210
 QY 607 GGAAGAAGCTTCTGCACTGCTCTGTTGACACCTGCTCCCAATGATCTCTTATTA 666
 DB 211 GGAAGGCTGCTGTCAGACGCCCTGCTTAACTTGTATAGAACACACCCCATTTCC 270
 QY 667 GATGCCAATGCTCAAAAGTGTGTA---CGTGTGAATGTTTCAATGTATAACAAC 723
 DB 271 AACACCAATGCTCTCAACGGTGTGAGGCTGTGCTGCTTATGCTTGACCAACTAC 330
 QY 724 CAACCTTGGCTGCTCAATGATAGCTGCTTACGGTTTGCTGCTGCTTATGCTGAC 783
 DB 331 TCTCCCTGGCTGTCAACGATGAGCTTGTCTTACGGTTTCTCTCAACCAAGATCTCGGT 390
 QY 784 TCCAAAGAGCTGATGATGTTGTGCTGTTATGAATTGACCTTCACTTCTGCGCTGCT 843
 DB 391 GGTCCGAGGCGAGCTGTGCTGTGCTGTATGCTTGAACCTTCAACACCTGCGCCGTC 450
 QY 844 TCTGGAAGAAGATGTTGTTCAAGTTTCAACACCGGTGCGAATTTAGGCTTAAACAC 903
 DB 451 AAGGGCAAGAAGATGATCGTCCAGTCCACCAACAGTGAATCGGCGCAACACAC 510
 QY 904 TTTGATTTGCAATGCGCGGTGAGTGTGATCTTCAATGCGCTGTGCTGCTCAATG 963
 DB 511 TTGATCTCATGATGCGCGGTGAGTGTGATCTTCAACGAGCTGACCTTCTGAGTTC 570
 QY 964 GCGCTCCCAATGATGCTGAGGAGCTAGATATGATGCTGCTGCTGCTGCTGCTGCTGCT 1023
 DB 571 GG-----CAAGGCTCTCGCGGTGCGGAGTCAAGGCGGTATCTCTCCGAAAGCATATG 624
 QY 1024 GCGCTCTTCTCTCTGCTTCAAGCTGTTGAATGAGATTTCAAGCTGTTCAAGAAC 1083
 DB 625 GATAGTACCCCGAGCTTCTCAAGAGCGGTTGCGACATGCGATTCGATGCTTTCGAGAAC 684

QY 1084 TCTGATAACCCCTACCATGACCTTCAAGGAAGTTACTGTCC 1124
| | | | | | | | | | | | | | | | | |
Db 685 GCCGACAACCTGACTTCACCTTTGAGCAGGTTCA GTGCC 725

RESULT 5
THE 09-03

```

US-08-833-642A-3
1 Sequence 3, Application US/08833642A
2 Patent No. 5883066
3
4 GENERAL INFORMATION:
5 APPLICANT: Ivan M. A. J. Herbots et al
6 TITLE OF INVENTION: Liquid Detergent C
7 TITLE OF INVENTION: Containing Cellula
8 NUMBER OF SEQUENCES: 5
9 CORRESPONDENCE ADDRESS:
10 ADDRESSEE: Jackie Ann Zurcher
11 ADDRESS: Diamore & Shohl LLP
12 STREET: 25 E. Fifth Street
13 STREET: 1900 Chemed Center
14 CITY: Cincinnati
15 STATE: Ohio
16 COUNTRY: USA
17 ZIP: 45202
18
19 COMPUTER READABLE FORM:
20 MEDIUM TYPE: Diskette, 3.5 inch
21 COMPUTER: IBM PC Compatible
22 OPERATING SYSTEM: MS-DOS
23 SOFTWARE: WordPerfect 6.1
24
25 CURRENT APPLICATION DATA:
26 APPLICATION NUMBER: US/08/833.642A
27 FILING DATE: April 8, 1997
28 ATTORNEY/AGENT INFORMATION:
29 NAME: Zurcher, J. A.
30 REGISTRATION NUMBER: P42,251
31 REFERENCE/DOCKET NUMBER: CM551C
32 TELECOMMUNICATION INFORMATION:
33 TELEPHONE: (513) 977-8377
34 TELEFAX: (513) 977-8141
35 INFORMATION FOR SEQ ID NO: 3:
36 SEQUENCE CHARACTERISTICS:
37 LENGTH: 1473 base pairs
38 TYPE: nucleic acid
39 STRANDEDNESS: single
40 TOPOLOGY: linear
41 MOLECULE TYPE: cDNA
42 HYPOTHETICAL: NO
43 ANTI-SENSE: NO
44 ORIGINAL SOURCE:
45 ORGANISM: fusarium oxysporum
46 STRAIN: DSM 2672
47 FEATURE:
48 NAME/KEY: CDS
49 LOCATION: 97.1224
50
51 US-08-833-642A-3

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Query Match	19.0%	Score 221.4	DB 2	Length 1473
Best Local Similarity	63.9%	Pred.No. 2.1e-58		
Matches 371	Conservative	0	Mismatches 201	Indels 9
				Gaps 2

QY	54	TCGCGAGGAGGTTCGCAACATCTGTAATTGGATTTGTGTAAAGCTTCTTGACGTGGCCT	608
Db	151	TCGGAAGGCGTACTCTATCGATACGGGATTCGTCACAGCCCTCTTGCTCTTGGAGC	210
QY	607	GGAAAGCTTCTGTCACTGATCTGTGACACTGTGCTCCAAATGATCTCTTA	666
Db	211	GGAAAGCTTCTGTCAAGCCCTCTTAATTGTGATTAAGAACGACACCACTTCC	270
QY	667	GATGCCAATGCTCAAGGTTGTAA--CGGTGTAAATGTTTCATGTGTACACAAAC	723
Db	271	AACACCAATGCTGTCAACGGTTGTGAGGGTGTGTTCTGCTTAATGCTTGACACAACTAC	330
QY	724	CAACTTGGGCTGTCAATATAGACTCGCTTAACGTTTCGCTGCTGCTTAATGTGCTGC	783

Db	331	TCGCCCTGGGCTGTCACAGATGAGCTTGGCTACAGGTTTCGGTCTACCAAGATCTCCGGT	390
OY	784	TCCAACCAAGCTGGATGGTGTGTGGCGCTGTATGATATGATGACCTTCACTTCGGCGCTGCT	843
Db	391	GGCTCCGAGGCGACACTGGTGTGGCTGTGCTGTATGTTGACCTTCCACCACTGGCCCCCGTC	450
OY	844	TCTGAAAGAAGATGGTGTGTTCAAGTTAACCAACCCGGTGGCGATTTGAGGCTCTAACAC	903
Db	451	AAGGCGAAGAAAGATGATGTGTCAGTCCACCAACCTGGAGGTGATCTCGGCGAACACAC	510
OY	904	TTTGATTTGCAAAATGCCCGGTGTGGCGTTGGTATCTTCAATGGCTGTGCTGCATATGG	963
Db	511	TTGCATGTCAGATAGCCCGCGGT	570
OY	964	GGCGCTCCCAATGATGCGTGGGAGCTAGATATAGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1022
Db	571	GG-----CAAGGCTCTCGGCGGTGCCACAGTACGGCGGTATCTCTCCGAAGCAATGT	624
OY	1024	GGCTCTCTTCCCTCTGCTCTTCAAGCGTGTGTATATATGAGATTTCAACTGTGTTCAAGAAC	1083
Db	625	GATAGTACACCCCGAGCTTCTCTCAAGAAAGGTGGCCACTGGCCATTCGACTGGTTCGAGAAC	684
OY	1084	TCTGATTAACCTTACCATGATACCTTCAAGAAAGTTACCTGTCC	1124
Db	685	GCGACAAACCTTACTTCACTTCTTGAGCAGGTTCAAGTCCCT	725

RESULT 6

US-08-389-423-3
Sequence 3, Application US/08389423
Patent No. 5948672
GENERAL INFORMATION:
APPLICANT: Rasmussen, Grethe
APPLICANT: Mikkelson, Jan Moller
APPLICANT: Schuelin, Martin
APPLICANT: Packar, Shankant A.
APPLICANT: Hagen, Fred
TITLE OF INVENTION: A Cellulase Preparation Comprising an
TITLE OF INVENTION: Endoglucanase Enzyme
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESSES:
ADDRESSEE: No. 59486720 No. 5948672disk of No. 5948672th America, Inc
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/389,423
FILING DATE: 14-FEB-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Eliaes J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469,214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:

ORGANISM: Fusarium oxysporum
STRAIN: DSM 2672
FEATURE:
NAME/KEY: CDS
LOCATION: 97.1224
US-08-389-423-3

Query Match 19.0%; Score 221.4; DB 2; Length 1473;
Best Local Similarity 63.9%; Pred. No. 2.1e-58;
Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

QY 547 TCTGCAAGGTTTCACAACTGTTATGGATTGTGTAAGCTTCTTGACGTGGCT 606
DB 151 TCTGGAAGCGGTCACTCTACATCTGGATTGCGCAAGCTTCTTGCGAGC 210
QY 607 GGAAGGCTTCTGTCACGTGCTCTGTTGACACCTGCGCTCCAAATGTAATCTTTATTA 666
DB 211 GGAAGGCTGCTGTCAACGCCCTGCTTTAACTTGATPAGAACAACAACCCCATTTCC 270
QY 667 GATGCAATGCTCAAAAGTGTGTA---CGTGTATATGTTTCAATGTTAACAACAAC 723
DB 271 AACACCAATGCTTCAACAGTGTGAGGAGTGTGCTTATGCTTGACCAACTAC 330
QY 724 CAACCTTGGGCTGTCAATGATGAGCTGCTTACGCTTGCCTGCTCTATTTGCTGC 783
DB 331 TCTCCCTGGGCTGTCAACGATGAGCTTGCTTACGCTTGCCTTACCAAGATCTCCGGT 390
QY 784 TCCAAAGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 843
DB 391 GGTCTCGAGGCGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 450
QY 844 TCTGAAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 903
DB 451 AAGGCAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 510
QY 904 TTTGATTTGCAAAATGCCCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 963
DB 511 TTGATCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 570
QY 964 GGGGCTCCCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1023
DB 571 GG-----CAAGCTCTCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 624
QY 1024 GCCTCTTCTTCCCTGCTGCTTCAAGCTGTTGTAATGAGATTCAACTGTTCAAGAAC 1083
DB 625 GATAGCTACCCCGAGCTTCTCAAGAGAGGTTGCCATGCGATTCAGCTGTTGAGAAC 684
QY 1084 TCTGATTAACCTTACATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1124
DB 685 GCCGACACCTGATCTTCACTTTGAGCAGGTTCAAGTCCC 725

RESULT 7
US-09-230-665-3
Sequence 3, Application US/09230665
Patent No. 6322595
GENERAL INFORMATION:
APPLICANT: Boyer, Stanton L
TITLE OF INVENTION: Detergent Composition Comprising Two Cellulase
TITLE OF INVENTION: Components, with and without a Cellulose-Binding Domain
FILE REFERENCE: 6191 Sequence Listing (8 Sequences)
Patent No. 6322595
CURRENT FILING DATE: 1999-01-29
EARLIER FILING DATE: 1996-07-30
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
LENGTH: 1473
TYPE: DNA
ORGANISM: Fusarium oxysporum
FEATURE:

NAME/KEY: CDS
LOCATION: (97) .. (1224)
US-09-230-665-3

Query Match 19.0%; Score 221.4; DB 4; Length 1473;
Best Local Similarity 63.9%; Pred. No. 2.1e-58;
Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

QY 547 TCTGCAAGGTTTCACAACTGTTATGGATTGTGTAAGCTTCTTGACGTGGCT 606
DB 151 TCTGGAAGCGGTCACTCTACATCTGGATTGCGCAAGCTTCTTGCGAGC 210
QY 607 GGAAGGCTTCTGTCACGTGCTCTGTTGACACCTGCGCTCCAAATGTAATCTTTATTA 666
DB 211 GGAAGGCTGCTGTCAACGCCCTGCTTTAACTTGATPAGAACAACAACCCCATTTCC 270
QY 667 GATGCAATGCTCAAAAGTGTGTA---CGTGTATATGTTTCAATGTTAACAACAAC 723
DB 271 AACACCAATGCTTCAACAGTGTGAGGAGTGTGCTTATGCTTGACCAACTAC 330
QY 724 CAACCTTGGGCTGTCAATGATGAGCTGCTTACGCTTGCCTGCTCTATTTGCTGC 783
DB 331 TCTCCCTGGGCTGTCAACGATGAGCTTGCTTACGCTTGCCTTACCAAGATCTCCGGT 390
QY 784 TCCAAAGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 843
DB 391 GGTCTCGAGGCGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 450
QY 844 TCTGAAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 903
DB 451 AAGGCAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 510
QY 904 TTTGATTTGCAAAATGCCCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 963
DB 511 TTGATCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 570
QY 964 GGGGCTCCCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1023
DB 571 GG-----CAAGCTCTCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 624
QY 1024 GCCTCTTCTTCCCTGCTGCTTCAAGCTGTTGTAATGAGATTCAACTGTTCAAGAAC 1083
DB 625 GATAGCTACCCCGAGCTTCTCAAGAGAGGTTGCCATGCGATTCAGCTGTTGAGAAC 684
QY 1084 TCTGATTAACCTTACATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1124
DB 685 GCCGACACCTGATCTTCACTTTGAGCAGGTTCAAGTCCC 725

RESULT 8
US-09-189-028-3
Sequence 3, Application US/09189028
Patent No. 6423524
GENERAL INFORMATION:
APPLICANT: Raasmussen, Grethe
APPLICANT: Mikkelson, Jan Moller
APPLICANT: Schultzein, Martin
APPLICANT: Packard, Shankant A.
TITLE OF INVENTION: A Cellulase Preparation Comprising an
TITLE OF INVENTION: Endoglucanase Enzyme
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 64235240 No. 6423524disk of No. 6423524th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

```

SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/189,028
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/389,423
FILING DATE: 14-FEB-1995
ATTORNEY/AGENT INFORMATION:
NAME: Lambitis, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469,214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Fusarium oxysporum
STRAIN: DSM 2672
FEATURE:
NAME/KEY: CDS
LOCATION: 97..1224
US-09-189-028-3

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Query Match	19.0%	Score 221.4	DB 4	Length 1473
Best Local Similarity	63.9%	Pred. No. 2.1e-58		
Matches 371	Conservative	0	Mismatches 201	Indels 9
				Gaps 2

QY	547	TCCTGAGATGGTTCCAAACCTGGTATTTGGGATTTGTGTAAGAGCTTTTGACAGCTGGCT	606
Db	151	TCCTGAGCGGTCACTTACTGATGACTGAGGATTTGCTGAAAGCCCTTTCCTTGGAGC	210
QY	607	GGAAGAAGCTTGTGTCACGTGCTCGTTGACACTGTGCTCCAAATGATATCTTTATTTA	666
Db	211	GGAAAGGTGCTGTAAAGCCCTCTTTAATTGTGATGAAAGACAAACCCCATTTCC	270
QY	667	GATGCCAATGCTCAAAGTGTGTTAA---CGGTGTAATGTTTCATGTGTAACAACAAC	723
Db	271	AACACCAATGCTGTCAACGGTTGTGAGGATGGTGGTTCTGCTTATGCTTGACACAATAC	330
QY	724	CAACCTTGGGCTGTCAATGATGAGCTGCGCTTAACGGTTTCGCTGCTGTATTTGCTGGC	783
Db	331	TCCTCCCTGGGCTGTCAACGATGAGGTTTCTTAACGGTTTCGCTGTACAAAGATCTCCGGT	390
QY	784	TCCAACGAAGCTGATGATGTTGTGGCTGTGTAATGAACCTTCACTTCTGGCGCTGT	843
Db	391	GGCTCCGAGGCGACGCTGGTGTCTGTCTTGTCTATGCTTTGACCTTACCACTGGCCCCGTG	450
QY	844	TCTGAAAAGAAAGATGGTGTTCACAGTTAACCAACACCGGTGGCGATTTAGCTCTTAACAC	903
Db	451	AAGGCAAGAAAGATGATGTCGTCCAGTCCACCAACACATGAGGGTGATCTGGCGACAACAC	510
QY	904	TTTGTATTTGCAAAATGCCCGGTGGTGGCTTGGTATCTTCAATAGGCTGTGCTGTCAATGG	963
Db	511	TTTGATATTCATGATATCCCGGGGGTGGTGTCCGGTATCTTCGAGCGCTGCACCTCTAAGTTC	570
QY	964	GGCGCTCCCAATGATGGCTGGGGAGCTAGATATGATGGGTGACGCTGTCTCTAAGCTGT	1022
Db	571	GG-----CAAGGCTCTGGCGGGTCCCAAGTACGGCGGTATTTCTCCCGAAGCAAGT	624
QY	1024	GCCCTCTTCCCTCTGCTCTTTCAGAGCTGGTGTGTAATGAGATTCAACTGTGTTCAAGAAC	1083
Db	625	GATAGCTATCCCGAGCTTCTCAAGAGACGGTTGCCACTGGCGATTTGACGTGGTTGAGAAC	684
QY	1084	TCCTGATTAACCTTACCATACTTCAAGGAAGTTACTCTGTCC	1124

Db 685 GCCGACACCCCTGACTTCACCTTTGAGCAGGTTACGTGCCC 725

RESULT 9
 US-08-651-136C-9
 Sequence 9, Application US/08651136C
 Patent No. 6001639
 GENERAL INFORMATION:
 APPLICANT: Schulein, Martin
 APPLICANT: Andersen, Lene N.
 APPLICANT: Lassen, Soren F.
 APPLICANT: Kaupinen, Markus S.
 APPLICANT: Lange, Lene
 APPLICANT: Nielsen, Rudy I.
 APPLICANT: Ihara, Michiko
 APPLICANT: Takagi, Shinobu
 TITLE OF INVENTION: No. 6001639e1 Endoglucanases
 NUMBER OF SEQUENCES: 109
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. 60016390 No. 6001639disk of No. 6001639th America, Inc
 STREET: 405 Lexington Avenue, 64th Floor
 City: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6401
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/651,136C
 FILING DATE: 21-MAY-1996
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Lambiris, Elias J.
 REGISTRATION NUMBER: 33,728
 REFERENCE/DOCKET NUMBER: 4366.200-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123
 TELEFAX: 212-878-9655
 INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1423 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: CDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 110..1156
 US-08-651-136C-9

	Query Match	17.8%	Score 207.4	DB 3	Length 1423
	Best Local Similarity	60.1%	Pred. No. 4.5e-54		
	Matches 365	Conservative 0	Mismatches 236	Indels 6	Gaps 1
QY	547 TCTGGCAGTGGTTCACAACTCGTATTGGAGATTGTGTAAGCTTCTTGACGTGACCT	606			
Db	173 TCGGGCAAAAGGCCAACACACCGGCTACTGGGATTTGCGCAAGACTTCTTCGATGGAG	232			
QY	607 GGAAGAGCTTCGTCACTGGTCTCTGTAGACCTGTGCTCCAAATGATCTCTTATTA	666			
Db	233 GGCAGAGCAATCCGTCCTCGAGCTGTCTTGACTCTGTAAACAGCAGAACCCCATTC	232			
QY	667 GATGCCAATGCTCAAGTGGTTGTAAACGGTGTATGTTTCATGTGTAAACAACCAA	726			
Db	293 GATGCCAAGCGCAGAAAGCGGCTGCGACGCGCGCGGCATTTGGCTGTACCAACAATTC	352			
QY	727 CCTGGGCTGTCAATGATGATGCTGCTTAAGGTTTCGCTGCTGTATATGGCTGC	786			
Db	353 CCTGGGCTGTGAGCAGAGACTGGCTTACGGAATTTGTGTGCACAGCCTCAAGCGCGC	412			

PRIOR APPLICATION NUMBER: PCT/DK97/00216
PRIOR FILING DATE: 1997-05-12
NUMBER OF SEQ ID NOS: 74
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 71
LENGTH: 912
TYPE: DNA
ORGANISM: Hybrid
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(912)
US-09-189-060B-71

Query Match 17.5%; Score 204; DB 4; Length 912;
Best Local Similarity 60.2%; Pred. No. 3.8e-53;
Matches 377; Conservative 0; Mismatches 240; Indels 9; Gaps 2;

QY 527 AGGTCATCTCTGGGCGGTAATCTGGCAGTGGTTCACACCTCTTATTGGGATTGTGTA 586
DB 41 AGGTGCGGCGACCTGCTTCTGCTGTGATGCGAGGTCCAGAGGATTGGGATTGTGCA 100
QY 587 AAGCTTTCTTGACGCTGGCGTGAAGCTTGTCACTGCTCTTGTGAACCTGTGCT 646
DB 101 AGCGGTATGCTGCTGGTCCGCAAGGCTCAGTGTATCTCCGTCGCAACCTGTAGC 160
QY 647 CCAATGATCTCTTTATTAGATGCAATGCTCAAAGTGTGTAAAGGTTGATGCTT 706
DB 161 CAACACACTGCGCTGTCGACGTCGACGCAAGAGTGCCTGCGATGAGGCTTCTT 220
QY 707 TCATGTATACCAACAACCACTTGGGCTGTCAATGATGAGTCTTACGCTTTCCTG 766
DB 221 ACACCTGTACCAACAACGCGCTTGGGCTGTAAAGATACCTCTTATGTTGCTCG 280
QY 767 CTGCTTATGCTGGCTTCAACGAGCTGATGCTTGTGCTGTATGATTAATGCT 826
DB 281 CCACAGCTATCAATGCGCGACGAGTCTAGCTGTGCTGATGCTCAAGTTGACTT 340
QY 827 TCACCTTGGGCGCTCTTCTGGAAGAAGATGTTTCAAGTTACCAACACCGGTGCG 886
DB 341 TCACAGCGGACCTGCTTCTGGAAGAAGTGTGTTCAATCAACCAACCGGATGCG 400
QY 887 ATTGAGGCTTAACCACTTGTATTTGCAATGCGCGTGTGCTGTGATCTTCAATG 946
DB 401 ATCTCTTAACAACAACCTTGTGATTTATGCAAGTGTGCGGTGTGAGGCTTCA 460
QY 947 GCTGTGCTGCTCAATGCGGCGCTCCCAATGATGCTGCGGAGCTAGATATGTTGCA 1006
DB 461 GCTGTCTAGGCGATGAGC-----AGCATCCCTGCGGAGC--GATATGCGGTTGCA 511
QY 1007 GCTGTCTCTGACTGTGCTCTCTTCCCTGCTGCTTCAAGCTGTGTTGAATGAGAT 1066
DB 512 CATCAAGGAGCAAAATGCGAACAAATGCAAGTGCCTCAAGCAAGGCTGCTTATGCGCT 571
QY 1067 TCACTGCTTCAAGAACTCTGATTAACCTTAACCAAGTCTTCAAGGAAGTTACTGCTG 1126
DB 572 TCATGTTGTTCAAGAACGCGACCAATCCAGCTTCAAGCTTCCGTCAAGTTCAGTCCG 631
QY 1127 CTGAATTAACCTCTGCTCAGTTGC 1152
DB 632 CCGAGCTCTGCTGCTGCGACCGGATGC 657

RESULT 12
US-09-189-060B-67
Sequence 67, Application US/09189060B
PATENT INFORMATION:
GENERAL INFORMATION:
APPLICANT: Dalboge, Henrik
APPLICANT: Sandal, Thomas
APPLICANT: Kaupinen, Markus
APPLICANT: Borge, Diderichsen
TITLE OF INVENTION: Method Of Providing No. 6270968e1 DNA Sequences
FILE REFERENCE: 4772.204-US

CURRENT APPLICATION NUMBER: US/09/189,060B
CURRENT FILING DATE: 1998-11-10
PRIOR APPLICATION NUMBER: PCT/DK97/00216
PRIOR FILING DATE: 1997-05-12
NUMBER OF SEQ ID NOS: 74
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 67
LENGTH: 919
TYPE: DNA
ORGANISM: Hybrid
FEATURE:
NAME/KEY: CDS
LOCATION: (2)...(919)
US-09-189-060B-67

Query Match 17.4%; Score 202.8; DB 4; Length 919;
Best Local Similarity 59.1%; Pred. No. 9e-53;
Matches 370; Conservative 0; Mismatches 247; Indels 9; Gaps 1;

QY 527 AGGTCATCTCTGGGCGGTAATCTGGCAGTGGTTCACAACTCTTATTGGGATTGTGTA 586
DB 48 AGGTGCGGCGACCTGCTTCTGCTGTGATGCGAGGTCCAGAGTACTGGGATTGTGTA 107
QY 587 AAGCTTTCTTGACGCTGGCGTGAAGCTTGTCACTGCTCTTGTGAACCTGTGCT 646
DB 108 AGCGGTATGCTGCTGGGCGCAAGGCTCGGTGATGAGGCGCCGCTCTGACCTGCA 167
QY 647 CCAATGATCTCTTTATTAGATGCAATGCTCAAAGTGTGTAAAGGTTGATGCTT 706
DB 168 AGAAGACAAACCCATCTCCAGCGCAACGCGGTAGGCTGTGCAACGCGGCACTTCT 227
QY 707 TCATGTATACCAACAACCACTTGGGCTGTCAATGATGAGTGTGCTTACGCTTTCCTG 766
DB 228 ACACCTGTACCAACAACCTCCGCTGCTGTCAACCAACCTTCCCTATGCTTTCGCG 287
QY 767 CTGCTTATGCTGGCTTCAACGAGCTGATGCTTGTGCTGTATGATTAATGACTT 826
DB 288 CTACCAAGCTCTGAGGCTCGAGTCCAGCTGCTGCTGCTTCAAGCTTCACT 347
QY 827 TCACTTCTGCGCTGCTTCTGGAAGAAGATGTTTCAAGTTACCAACCGGTGCG 886
DB 348 TTACGACTGCGCCCGTAAGAGGCAACCAATGCTGTACATGTCACCAACCGGAGCG 407
QY 887 ATTGAGGCTTAACCACTTGTATTTGCAATGCGCGGTGTGCTGTGATCTTCAATG 946
DB 408 ATCTGCGCAAGAACCTTGTGATCTCAAGTGTGCGGCGGTGTGCGCATCTTTCAG 467
QY 947 GCTGTGCTGCTCAATGCGGCGCTCCCAATGATGCTGCGGAGCTAGATATGTTGCA 1006
DB 468 GCTGCACTCCCAAGTGGG-----TGGCTGTGCGGCTGTCAAGTACGCGGCACT 518
QY 1007 GCTGTCTCTGACTGTGCTCTCTTCCCTGCTGCTTCAAGCTGTGTTGAATGAGAT 1066
DB 519 GGTGCGAAGGAGTGTGAGAGCTTCCCGAGCTGTCAAGCAAGGCTGTACTGCGCT 578
QY 1067 TCACTGCTTCAAGAACTCTGATTAACCTTAACCAAGTCTTCAAGGAAGTTACTGCTG 1126
DB 579 ACGACTGTTCAAGAACGCGACCAATCCAGCTTCAAGCTTCCGTCAAGTTCAGTCCG 638
QY 1127 CTGAATTAACCTCTGCTCAGTTGC 1152
DB 639 CCGAGCTCTGCTGCTGCGACCGGATGC 664

RESULT 13
US-09-189-060B-69
Sequence 69, Application US/09189060B
PATENT INFORMATION:
GENERAL INFORMATION:
APPLICANT: Dalboge, Henrik
APPLICANT: Sandal, Thomas
APPLICANT: Kaupinen, Markus
APPLICANT: Borge, Diderichsen

```

; TITLE OF INVENTION: Method Of Providing No. 6270968e1 DNA Sequences
; FILE REFERENCE: 4772.204-US
; CURRENT APPLICATION NUMBER: US/09/189,060B
; CURRENT FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: PCT/DK97/00216
; PRIOR FILING DATE: 1997-05-12
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 69
; LENGTH: 924
; TYPE: DNA
; ORGANISM: Hybrid
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(924)
US-09-189-060B-69

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```

Query Match      17.2%; Score 200.6; DB 4; Length 924;
Best Local Similarity 59.8%; Pred. No. 4.3e-52;
Matches 376; Conservative 0; Mismatches 244; Indels 9; Gaps 2;

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QY 527 AGGTATCTCTGCGGTAATCTGCAAGTGTTCACAACTGTTATGGATTGTGA 586
    |||||
DB 47 AGGTGCGGCACCTGCTTTCGCTGATGAGTCCACAGATCTGGGATTGCTGCA 106
    |||||
QY 587 AAGCTTCTGCAAGCTGCGCTGAAAAAGCTTCTGCACTGGTCTGTGACACCTGCGCT 646
    |||||
DB 107 AAGCTTCTGCTTCTTGGGGGGGAAAGCTGTCTGACGCGCTCTGCTTGAACCTGTGA 166
    |||||
QY 647 CCAATGTAATCTTATTATAGATGCCAATGCTCAAGTGTGTGA---CGTGTGTATG 703
    |||||
DB 167 AGAAGGACAACCCCATCTAAACCTGAGCTGTCAAGTGTGTGAGGGTGTGTTCTG 226
    |||||
QY 704 GTTTATGTGTGAACAACAACCACTTGGGCTGTCAATGATGAGCTGTGACGTTTGG 763
    |||||
DB 227 CATTCCCTGCAACAACCTATCTCTTGGGCGGTCAATGACAACCTTGCTACGCGCTTG 286
    |||||
QY 764 CTGCTGCTCTATGCTGTGCTCCAAAGAGCTGAGTGTGTGCTGTATGATGTA 823
    |||||
DB 287 CTGCAACAAGCTTGGCGGTGCTCCAGAGGTAGCTGTGTGTGCTGTACGACTTA 346
    |||||
QY 824 CCTTCACTTCTGCGCTGCTTCTGAAAGAGATGTTTCAAGTTACCAACCGGTG 883
    |||||
DB 347 CCTTCAACAACCGGTGCTCCGATAGGATGATGATGATGATGATGATGATGATGATG 406
    |||||
QY 884 GGGATTAGGCTTAAACCACTTGTGAAATGCCCGGTGTGCGTGTGATCTTCA 943
    |||||
DB 407 GGGACCTCGGTGAACAACCTTGATCTATGATGCTGTGCGGTGTGATGATCTTGC 466
    |||||
QY 944 ATGGCTGTGCTGCAATGGGGGCTCCCAATGATGAGTGTGAGCTAGATATGATGATG 1003
    |||||
DB 467 ACGGTGCACTTCTCACTTCTGCGG-----CAAGGCTCTGCTGTGCTGCTGAGTGGCA 520
    |||||
QY 1004 TCACTCTGTCTGCTGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1063
    |||||
DB 521 TCTCTCTCCGAAGCGAGTGGAGCAGCTTCTGAGCTCTCAAGAGCGGTGTGCA 580
    |||||
QY 1064 GATTCACTGTGTTCAAGAACTGTGATACCTTACATGACCTTCAAGAGAACTTACTGTTC 1123
    |||||
DB 581 GCTTCACTGTGTTCAAGAACTGTGATACCTTACATGACCTTCAAGAGAACTTACTGTTC 640
    |||||
QY 1124 CTGCTGAATTAATCTGCTGAGTTGC 1152
    |||||
DB 641 CAGCCGAGCTGTGCTGCTGCAACCGATGC 669
    |||||

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RESULT 14
US-09-189-060B-73
; Sequence 73, Application US/09189060B
; Patent No. 6270968
; GENERAL INFORMATION:
; APPLICANT: Dalboge, Henrik
; APPLICANT: Sandal, Thomas

```

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; APPLICANT: Kaupinen, Markus
; APPLICANT: Boire, Diderichsen
; TITLE OF INVENTION: Method Of Providing No. 6270968e1 DNA Sequences
; FILE REFERENCE: 4772.204-US
; CURRENT APPLICATION NUMBER: US/09/189,060B
; CURRENT FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: PCT/DK97/00216
; PRIOR FILING DATE: 1997-05-12
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 73
; LENGTH: 922
; TYPE: DNA
; ORGANISM: Hybrid
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (2)...(922)
US-09-189-060B-73

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Query Match      16.2%; Score 188; DB 4; Length 922;
Best Local Similarity 57.5%; Pred. No. 3.4e-48;
Matches 360; Conservative 0; Mismatches 260; Indels 6; Gaps 1;

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QY 527 AGGTATCTCTGCGGTAATCTGCAAGTGTTCACAACTGTTATGGATTGTGA 586
    |||||
DB 48 AGGTGCGGCACCTGCTTTCGCTGATGAGTCCACAGATCTGGGATTGCTGTA 107
    |||||
QY 587 AAGCTTCTGCAAGCTGCGCTGAAAAAGCTTCTGCACTGGTCTGTGACACCTGCGCT 646
    |||||
DB 108 AAGCTTCTGCTTCTTGGGGGGGAAAGCTGTCTGACGCGCTCTGCTTGAACCTGTGA 167
    |||||
QY 647 CCAATGTAATCTTATTATAGATGCCAATGCTCAAGTGTGTGAACGTTGTAATGTT 706
    |||||
DB 168 CCGGCAACAGCCCTCGCGGACCCCTGCGCAAGTGTGCTGCGAGGCGGCGCGTCT 227
    |||||
QY 707 TCAATGTGAACAACAACAACCTTGGGCTGTCAATGATGAGTGTGCTTACGTTTCTG 766
    |||||
DB 228 AAGAGTGGCCAACTACACAGCGGTGGGGTCAAGACAGCTGAGCTGAGCTTCTGCGGG 287
    |||||
QY 767 CTGCTCTATGCTGCTTCAACGAAGTGTGTGCTGTGCTGTGTGATGATGACT 826
    |||||
DB 288 CCACGGCCATCAACGCGGACCGGACCTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTG 347
    |||||
QY 827 TCACTTGGGCGCTGCTTCTGAAAGAGATGTTTCAAGTTACCAACCGGTG 886
    |||||
DB 348 TCAACGACGCGCGCTGCTGCGGAAAGACATATGTTCAATGCTACCAACAGCGGCGG 407
    |||||
QY 887 ATTAGGCTCTAACCACTTGTGATTTGCAATGCCGCTGTGAGCTGTGATCTTCAATG 946
    |||||
DB 408 AACTGTCCGACAACCACTTGTGATGCTGATCCCGGCGGCGGCGTGTGATCTTCAAG 467
    |||||
QY 947 GCTGTGCTGCTCAATGGGGGCTCCCAATGATGAGTGTGAGGAGCTAGATATGATGATG 1006
    |||||
DB 468 GCTGCACTCTCCAGTACCGGCGGCGGCTGCGCGG-----GCCAGTACGCGGCGGTCA 521
    |||||
QY 1007 GCTGTGCTCTGACTGTGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1066
    |||||
DB 522 GCTTCCGCGCGAGTGTGACAGATGCTCCGAGGCTTCAAGGCGGCTCTCCAGTGGCGCT 581
    |||||
QY 1067 TCACTGTGTTCAAGAACTGTGATACCTTACATGACCTTCAAGAGAACTTACTGTTC 1126
    |||||
DB 582 AAGATTGTTTAAAGAACGCGCAATCGGAGCTTACGTTCCGTACAGTCCAGTCCAG 641
    |||||
QY 1127 CTGAATTAATCTGCTGAGTTGC 1152
    |||||
DB 642 CCGAGCTGTGCTGCTGCAACCGGATGC 667
    |||||

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RESULT 15
US-09-189-060B-65
; Sequence 65, Application US/09189060B
; Patent No. 6270968
; GENERAL INFORMATION:

```

```
APPLICANT: Dalboge, Henrik
APPLICANT: Sandal, Thomas
APPLICANT: Kaupinen, Markus
APPLICANT: Borge, Diderichsen
TITLE OF INVENTION: Method Of Providing No. 6270968e1 DNA Sequences
FILE REFERENCE: 4772.204-US
CURRENT APPLICATION NUMBER: US/09/189, 060B
PRIOR FILING DATE: 1998-11-10
PRIOR APPLICATION NUMBER: PCT/DK97/00216
NUMBER OF SEQ ID NOS: 74
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 65
LENGTH: 922
TYPE: DNA
ORGANISM: Hybrid
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(922)
US-09-189-060B-65
```

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Query Match 16.0%; Score 186.8; DB 4; Length 922;
Best Local Similarity 57.5%; Pred. No. 8e-48;
Matches 360; Conservative 0; Mismatches 257; Indels 9; Gaps 1;
```

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OY 527 AGGTCATCTGCGCGTAAATCTGGCAGTGTCCACAACCTGTTATTTGGATTGTGTA 586
    |||||
DB 47 AGGTGCGGCGACCTGCTTGGCTGTATGGCAGGTCCAGCGGTACGGATTGTGTA 106
    |||||
OY 587 AAGCTTCTTTCAGCTGCGCTGGAAGCTTCTGTCATGCTGCTGTTGACACCTGTGCT 646
    |||||
DB 107 AGCCGTGCTGCTGCGGCCCGCAAGGCGCTGTGACACACGCCGTCTACGCCCGCAAG 166
    |||||
OY 647 CCAATGATATCTTTATTAGATGCAATGCTCAAGTGTGTAACGCTGATATGTT 706
    |||||
DB 167 CAAATCTTCAGCGCATCACCAAGCCCAAGCCAAAGTCCGCTGCGATGCGGCTCCGCT 226
    |||||
OY 707 TCATGTATACACCAACCAACCTTGGCTGTCAATGATAGCTGCTTACGGTTTGGCTG 766
    |||||
DB 227 TCTCTGGCGCGACGACGACCCCGTGGCGGTGAGGACGACTTGGCTACGGTTTGGCGG 286
    |||||
OY 767 CTGCTCTATTGCTGCTCCACGAGCTGATGCTGTTGCTGCTGTTATGATTTGACT 826
    |||||
DB 287 CTACGCGCTGCGCGCGCAAGTCCGAGTCTGCTGCTGCTGCTGCTACGAACTCACCT 346
    |||||
OY 827 TCACCTTGGCGGCTGCTTGTGGAAGAAGATGTTGTTCAAGTTACCAACACCGGTGCG 886
    |||||
DB 347 TCACCTTGGCGGCGGCTGCTGCGCAAGATGCTGCTCAAGTCCACGACACTGGCGGTG 406
    |||||
OY 887 ATTAGGCTTAACCACTTTGAAATGCAATGCCGCTGCTGCTGCTGCTGCTGCTGCT 946
    |||||
DB 407 ACCTCGGTAGCAACCACTTTGACCTCAACATGCAAGTGGCGGTGCTGCGCACTTCGACG 466
    |||||
OY 947 GGTGCTGCTCAATGAGGCGCTCCCAATGATGCTGGGGAAGCTAGATATGTTGTTCA 1006
    |||||
DB 467 GGTGCTGCTCAAGTGGCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 517
    |||||
OY 1007 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1066
    |||||
DB 518 CGTCCGCGAGCAATGCACTCTTCCGCGGCACTCAAGCCGCGCTGCTGCTGCTGCT 577
    |||||
OY 1067 TCACTGCTTCAAGAACTGTATACCTCAATGACCTTCAAGAAAGTTACCTGCTG 1126
    |||||
DB 578 ACGACTGCTTAAAGACCGCAATCCGAGCTTCAAGTTCAGTTCAGTTCAGTTCAG 637
    |||||
OY 1127 CTGAATTACTAGCTGCTCAGGTTGC 1152
    |||||
DB 638 CCGAGCTGCTGCTGCGACCGGATGC 663
    |||||
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Search completed: June 17, 2003, 18:55:38
Job time : 65.972 secs